Cumulative Index to Volume 7, 1989

Author Index

Aavang, J. 74 Aber, J. D. 63 Abrahamson, D. E. 164 Albert, D. A. 117.3, 117.4 Alexander, B. 148.4 Allen, J. A. 17 Amme, D. 81.1 Anderson, E. 13.1 Anderson, R. C. 13.9, 85 Ansley, R. J. 13.10 Antenen, S. 42, 90.1 Apfelbaum, S. I. 23, 63, 90.2, 179.3 Arner, D. 148.8 Ashbrenner, J. A. 101 Atkinson, S. F. 31.1 Atwell, D. 4 Auerbach, M. H. 36.1 Averett, J. E. 135 Axler, R. 29.3

Bagley, F. 22 Baines, J. C. 65 Baird, K. p. 60 Baker, W. T. 82.1, 82.2 Baker, F. 158 Baker, L. A. 124 Bakken, V. 104 Baller, R. 23 Barnes, B. V. 98 Barro, S. C. 39 Barrow, J. R. 138.2 Bartel, J. A. 58.1 Battaglia, J. 44 Bauder, E. T. 26.1, 106.1 Beauchamp, R. M. 141 Becker, C. 112.1 Behling, R. E. 27.4 Belcher, J. W. 84 Bercuvitz, J. 45 Berry, C. T. 126.1 Biondini, M. E. 11, 82.1 Black, C. 181.1 Bontje, M. P. 107.1 Borden, G. W. 36.1 Boumans, R. 25.1 Bowland, J. L. 37.1 Boyle, J. R. 27.3 Brewer, L. 117.3 Bridgen, M. R. 61.6 Brodowicz, W. W. 117.3, 117.4 Bronny, C. p. 73 Brooks, D. R. 27.1 Brown, M. 49 Brown, R. W. 57.2 Bucholz, J. W. 116.1 Buckner, D. L. 40.3, 126.4 Buesseler, W. B. 25.3 Buikema, A. 175 Buikema, J. 175 Burley, J. B. 61.3, 113.1 Bush, B. L. 13.1

Cairns, J. p. 78; 175 Caljouw, C. 38.1 Call, C. A. 61.4 Cann. R. L. 94 Carls, E. G. 34 Carpenter, A. T. 138.2 Chadbrek, R. H. 165 Chaffey, S. A. 34 Chainey, S. 106.2 Chambers, J. 57.2 Champion, S. 115 Charbonneau, B. 112.2 Chittenden, E. M. 117.3 Clark, P. A. 107.2 Clary, W. P. 149 Clewell, A. F. 72, 90.3 Collins, L. M. 116.2 Collins, J. N. 116.2 Conner, W. H. 25.1 Conover, D. G. 177 Conroy, M. J. 124 Coughanowr, C. A. 25.3 Craven, S. 4 Creed, W. A. 101

D'Antonio, C. M. 148.1, 148.2 Davis, M. L. 99 Davis, R. L. 52 Day, J. W. 25.1 DeBenedetti, S. H. 20.1 DelRegno, K. J. 31.1 Densmore, R. V. 126.5 DePoe, C. E. 89 DeWitt, C. p. 80 Dhillion, S. S. 85 Diboll, N. 13.4 Dickerson, J. A. 61.2 Diefenbach, D. R. 124 Dierberg, F. 29.1, 31.2 Dixon, R. M. 148.3 Dobberteen, R. A. 139, 140 Dorney, J. R. 87 Dorney, C. H. 87 Doyle, L. 115 Dremann, C. 16.1 Dreyer, G. D. 86 Duerr, J. J. 8 Dunkle, N. 148.4 Dunwiddie, P. W. 38.1 Durako, M. J. 134 Durnberger, R. A. 73

Eddy, R. M. 60.1 Edge, B. L. 36.1 Egan, D. 64 Eleuterius, L. N. 33 Ellison, R. 148.4 Engel, S. 114 Eyster-Smith, N. M. 13.5

Faber, P. M. 163 Falk, D. 178.1 Famous, N. C. 123 Fargre, D. B. 125.1 Fashelt, D. 183 Feeney, L. 126.2 Fefer, S. I. 94 Feiertag, J. A. p. 13 Fenn, D. B. 34 Ferreira, J. 58.6 Ferren Jr., W. R. 67, 106.3 Field, D. 152 Fink, B. H. 178.2 Ford, R. H. 99 Franson, R. L. 148.5 Frederick, D. J. 90.5 Freed, L. A. 94 Freeman, R. M. 155.2 Funk, W. H. 29.2

Gallard, R. 112.1 Geier-Hayes, K. 97 Geiger, D. R. 177 Gershanz, N. 155.3 Gibbons, M. 29.4 Gibbons Jr., H. L. 29.4 Gilbert, A. J. 60.1 Gilpin, M. E. 63 Glass, S. p. 24; 13.6 Godfrey, R. 61.2 Gogan, P. J. P. 125.2 Golden, R. 112.1 Goldman-Carter, J. 170 Good, B. 118.1 Granholm, S. L. 179.1 Gray, D. H. 151.1 Gregg Jr., W. P. 172 Griggs, T. p. 3 Grygiel, C. E. 11 Guinon, M. p. 56; 179.2

Hackeling, L. 179.3 Hall, L. A. 58.4 Handley, B. A. 155.4 Hanes, T. 106.5 Haney, A. 90.2 Hansen, W. R. 56.1 Harcomb, P. A. 12 Harper, K. T. 138.1 Harrington, J. A. 5 Harris, R. D. 126.2 Hart, J. 112.1 Hartley, J. J. 148.8 Hartvigsen, G. 42, 90.1 Haselow, D. L. 29.5 Hawkins, C. 110 Haynes, R. J. 17 Haynes, H. 150.2 Heiskary, S. A. 30.1 Hektner, M. M. 90.4 Henderson, R. 4 Hendrix, V. 142 Henson, D. 3 Herman, M. 76 Hilyard, D. 58.3, 58.6 Hinsman, W. J. 31.5 Holland, R. F. 163 Holmes, W. C. 107.3 Hoover, T. P. 150.2 Howell, E. 13.6 Hughes, H. G. 127.3

Butler, P. 52

Humphries, S. M. 25.3 Hunt, T. C. 50 Hunt, C. E. 111 Hunter, R. B. 127.1 Huston, S. L. 48

Jacoby, P. W. 13.10 James, W. E. 124 Jewell, K. E. 61.7 Johnson, C. W. 158 Johnson, T. B. 129 Johnson, Steve. p. 8 Johnson, W. N. 19.1 Johnson, S. 61.3 Johnson, B. R. 131, 146 Jones, R. H. 95 Jones, G. H. 81.2 Jordan IV, W. R. p. 65 Jordan III, W. R. p. 2, p. 55; 63

Kane, M. E. 132, 133 Kaza, S. 180.3 Keammerer, W. R. 60.3 Keigley, R. B. 57.1 Kelsey, T. 61.2 Kentula, M. E. 105.1 Kepler, C. B. 94 Kertis, J. A. 39 Kierstead, J. 178.3 King, T. p. 13 Kirt, R. R. 73 Kiser, K. 56.1 Klick, K. 143.1 Klimstra, W. B. 59.1 Kline, V. M. 13.7 Kline, J. 144.4 Kloes, G. G. 88 Knight, R. W. 61.4 Knight, A. W. 31.3 Koch, E. W. 134 Kohn, B. E. 101 Korostoff, N. 112.5 Kritzer Van Zant, M. 6, 7 Krueger, K. 148.4 Krugman, S. L. 172

Lafayette, R. A. 113.2 Lafer, J. 29.2 LaGory, K. E. 27.2 Lampa, W. 9 Larson, L. 13.2, 13.11 Larson, M. M. 61.5 Larson, P. 61.3 Larson, J. 105.2 Laurie, D. 79 Lawrence, B. K. 13.10 Lea, R. 90.5 Leach, M. 23, 63, 111, 179.3 Leahy, T. 85 Leitner, L. A. 144.3 Leopold, L. B. 116.2 Les, D. 102 Lester, W. L. 126.7 Levy, S. 180.1 Libby, W. J. p. 18 Lindeman, W. 118.2 Loblick-Klick, L. 143.1 Loope, L. L. 54 Lozanov, M. 36.1

MacDonald, K. B. 179.4 MacKintosh, G. 176 MacMahon, J. A. 40.2 Magnuson, J. A. 117.2 Mahler, D. 75, 147 Maier, K. J. 31.3 Manske, L. L. 82.1, 82.2 Marr, J. W. 40.3, 126.4 Masters, R. A. 13.3 McCarty, J. K. 13.2 McComas, S. R. 28.1 McDonnell, M. J. 18 McEachern, K. 117.2 McKinney, K. 76 McLeod, K. W. 95 Meeker, J. E. 103 Melgin, W. L. 108 Mielke, J. L. 136 Mihalyi, S. E. 43 Millar, C. I. p. 18 Miller, W. 150.1 Miller, L. 144.1 Millet, P. 81.2 Moore, M. L. 167, 168 Moore, B. C. 29.2 Moorhead, B. B. 144.2 Moser, L. E. 13.1 Muick, P. C. 90.6 Murdock, G. K. 13.11

Nabhan, G. P. 126.6 Naveh, Z. p. 9 Neill, W. M. 53 Ness, T. p. 77 Newton, G. A. 26.2, 119.1 Nickerson, N. H. 139 Niering, W. A. 86 Nikolai, R. 13.4 Nilsson, H. D. 123 Nolin, D. 1, 2, 47 Northington, D. K. 135

O'Brien, S. 143.1 O'Connor, M. 106.5 Ogle, R. S. 31.3 Oldham, J. A. 148.6 Oliver, M. 12 Owen, C. 109 Oyler, J. A. 61.1

Packard, S. 80.1, 182 Pahl, E. 45 Palmer, M. 145 Parker, V. T. 41.2 Parra, E. A. 126.3 Parsons, D. J. 90.7 Parvin, R. W. 92 Paulson, L. 29.3 Pauly, W. 65 Pavolic, N. B. 117.2 Pecka, B. 61.3 Pendleton, E. C. 17 Pendleton, B. K. 138.1 Pendleton, R. L. 138.1 Penskar, M. R. 117.3 Pentecost, E. D. 27.2 Perry, E. 139 Petersen, U. C. 117.3 Pickart, A. 144.1 Pierson, E. D. 130

Pitschel, B. 81.1 Pringle, L. 64 Pritchett, D. W. 89 Pritchett, D. A. 67

Ray, G. 24 Reese, G. A. 117.3, 117.4 Reid, T. S. 58.5 Reid, R. 148.4 Reinartz, J. A. 144.4 Reiner, J. 112.3 Reiner, R. p. 3 Rice, C. 112.2 Rieger, J. p. 79; 106.4 Ritzenhalder, J. 47 Roberts, L. 91 Robertson, D. J. p. 13 Rodman, J. 155.1 Rogers, C. S. 13.9 Romney, E. M. 127.1 Rose, J. R. 103 Roy, E. A. 18

Sage, S. H. 43 Savage, L. 89 Sayen, J. p. 57 Schawarzkopf, B. F. 13.8 Schneider, W. H. 31.2 Schulhof, R. p. 69 Scott, J. M. 94 Sharik, T. L. 99 Sharitz, R. R. 95 Shellhammer, H. S. 120 Shevock, J. R. 58.2 Short, C. 107.4 Shreffler, D. K. 25.2 Shuman, G. E. 60.2 Siegenthaler, T. 76 Sifneos, J. C. 105.1 Simenstad, C. A. 25.2

Simons, T. 46 Skelly, T. M. 31.5 Skousen, J. 55, 61.4 Smith, W. R. 14.1 Snyder, H. A. 129 Snyder, F. R. 129 Solecki, M. K. 10 Sollenberger, D. 6, 7 Sotir, R. 151.1 Spears, C. J. 154.1 Spencer, M. 123 Spitzkeit, J. W. 59.1 Stalling, D. T. 107.3 Stearns, F. 105.2 Steele, R. 97 Steuter, A. A. 11 Stewart III. E. A. 29.5 Stewart-Laing, J. 40.4 Stone, C. 94 Strahan, J. 14.2 Stromberg, L. P. 106.5 Sverdrup, H. U. 30.2 Swift, K. L. 22a

Taft, J. 10 Thorton, K. 167 Titus, J. G. 66 Todd, A. 115 Trueman, I. C. 81.2 Tyson, W. 58.7 Urbanska, K. M. 40.1

Valbracht, D. 180.2 van Riper III, C. 94 van der Valk, A. 173 Vaux, P. D. 31.4 Veirs, S. D. 90.8 Villasenor, R. 105.3 Vinmerstedt, J. P. 61.5, 61.7 Vinikour, W. S. 27.2 Vogel, K. P. 13.3

Waage, B. C. 13.8 Wakeman, B. 102 Walker, W. W. 30.1 Wallace, A. 127.1, 127.2 Wallace, G. A. 127.2 Waller, S. S. 13.1 Walsh, R. C. 58.5 Walther, J. 75 Warburton, D. B. 59.1 Warfvinge, P. G. 30.2 Warren, R. J. 124 Weinstein, G. 77 West, N. E. 138.3 Westman, W. E. 41.1 Whitall, D. 115 White, R. J. 112.4 Wilcox, D. A. 24, 117.1 Williams, V. P. 29.1, 31.2 Wilson, S. D. 84 Wilson, B. 74 Wilson, K. 148.4 Wilt Jr., J. 118.2 Windmiller, B. 140 Windus, J. L. 15.1 Wingate, D. 21.1 Winterhalder, K. 148.7 Wood, J. D. 172 Wydeven, A. P. 88

Yates, S. 110 Yonker, G. 158 Yost, S. 42, 90.1

Zedler, P. H. 178.4, 181.1 Zedler, J. B. 35, 178.2 Zentner, J. J. 106.6

Subject Index

A Citizen's Guide to Protecting Wetlands, 170
Abies concolor, p. 20
Acer rubrun, 18
Acorus calamus, 23
Adapting a Stream: A Northwest Handbook, 110
Agalinis acuta, population studies of 178.5
Air-Earth Interface model, 148.3
Alafia River Crossing, 118.2
Alisma plantagoaquatica, 23
American Society for Surface Mining and
Reclamation, 61
Anderson, Bertin p. 5
Andropogon scoparius, response to prescribed
burns 86
Andropogon gerardi, 12

Arctotheca calendula, 142 Arizona Native Plant Society, 137 Armand Bayou Nature Center 12 Artemisia tridentata spp. vaseyana, dispersion pattern of 138.3 Asclepias ovalifolia, 3 Baccharis glutinosa p. 61 bank stabilization, 107.3 Berry Botanical Garden, 178.3 Betula lenta, 18 Big Thicket Nature Preserve, 92 bioengineering systems, 151.1 bionomics of tree planting, 100 bison impact on prairies, 13.11 Blackwood Creek, restoration of fisheries habitat 112.3 bog mat transplants, 24 bonding as a mitigation tool, 58.3 bottomland hardwoods; 17, 89, 90.5, 95 Bradshaw, Anthony 63 California native grasses, 16.1 California Assembly Bill 348, 93 California Natural Diversity Data Base, 58.2 California Oak Foundation, 62 California native grass seed, 78 Campton Forest Preserve, 8 Chamaedaphne calyculata augustifolia, 24 chaparral, burning of 41.2 Chicago Botanical Garden; 6, 7 Cirsium pitcheri, natural reproduction of 117.2 Cirsium hillii, 3 Coalition to Restore Coastal Louisiana, 121 Coastal Marshes: Ecology and Wildlife Management, 165 Coccyzus americanus, p. 4 Common Riparian Plants of California: A Field Guide for the Layman, 163 Community Forestry Manual-Interior Western United States, 158 compacted soils, effects on prairie plants 6 Conservaseed, 78 conservation, Hawaiian forest birds 94 Consumnes River Preserve, p. 6 control of, Myriophyllum spicatum; 29.4, 102 control of, Ampelopsis brevipedunculata 42 control of, fescue 13.2 control of, Lythrum salicaria 139, 140 control of, multiflora rose p. 75 control of, Hemerocallis fulva 10 control of, exotic species at Indiana Dunes 143.1 control of, Rhamnus frangula 144.4 control of, tamarisk 53 control of, feral pigs 20.1, 54, 141 control of, aspen 13.7 control of, feral goats 54, 141, 144.2 Corte Madera Creek, salt marsh enhancement 116.1 Cottam, Grant 63 Craggy Pinnacle; 131, 146 creation of, vernal pools 106.2, 106.4, 106.5, 106.6 Crescent Bypass Revegetation Project, 148.6 Crex Meadows, p. 25

Daniels and Zipper, p. 79

plant communities 126.5

Denver Botanical Garden, 77

Desert Botanical Garden, 126.6

Denali National Park, restoration of alpine

Desert Trees for Urban Landscapes, 166

Deschampsia cespotosa, ecotype selection 57.2

diversity, 145 Douglas-fir-ninebark habitat type, 97 Down by the River: The Impact of Federal Water Projects and Policies on Biological Diversity, 111 drip irrigation, p. 6, 7 Drosera intermedia, 24 DuPage County Forest Preserve, 9 Earthwatch grants, 153 Echinodorus spp., 23 ecological restoration as a behavioral shift, 180.3 ecological restoration as art, 180.2 Ecosystem Survival Plan, 155.3 education and, restoration ecology 152, 155.2 education and, wetland and coastal studies 156 Ehrlich, Anne p. 79 Endangered Species Act, a review 58.1, 176 Endangered, Threatened or Protected Native Plants of Texas, 51 Enhancement, Restoration, and Creation of Vernal Pools at Del Sol Open Space and Vernal Pool Reserve, Santa Barbara County, California. 67 Environmental Survey Consulting, 147 Estuarine Research Laboratory, 35 Ewel, John J. 63 exotic plant vandalism, 142 exotic plants in Wisconsin Natural Areas, 144.3 Faron, Don p. 68 Felis rufus, reintroduction to Cumberland Island 124 fescue toxicosis, 55 fire, bison and gophers, roles in grassland ecology 11 Field Guide for Wetland Delineation: Unified Federal Method, 174 Florida scrub community, p. 15 Front-end Tractor Reaper, 75, 147 genetic contamination, p. 21 genetic variations and patterns, p. 19 Gentiana puberula and, mycorrhizae 7 Geographic Information Systems, 107.2 Glen Canyon Environmental Studies, 71 global warming; 66, 91, 120 Gorges Valley, restoration of 112.5 grazing, effect on savanna recovery p. 73 Great Lakes, restoration plans 43 Great Lakes wetlands' diversity, critical factors 117.3, 117.4 Greenhouse Effect, Sea Level Rise, and Coastal Wetlands, 66 Grin Reaper, 147 grouse habitat and grassland management, 82.1, Haleakala National Park, restoration of 54 Hamamelis virginiana, response to canopy gaps Handley, Bruce p. 7 Hareuveni, Nogah p. 9 Harper, John 63 Heathland Restoration: A Handbook of Techniques, 79 Helinathemum bicknellii, 3 High Clark Draw, rehabilitation of 56.1 Houston Arboretum, 12 Huffman Prairie, 1 Huntington Beach Wetlands, restoration of 122 hydroseed mixes, evaluation of 148.1

Diamond, Jared 63

Angelica atropurpurea, 23

In Defense of Wildlife: Preserving Communities & Corridors, 176 Index to Vegetation of Wisconsin, 49 Inouye, David W. p. 78 insect groups, response to prairie burns 85 interpretive signage and trail use, 146 Inventory of Rare and Endangered Vascular Plants of California, 68 Iris versicolor, 23 Janzen, Daniel p. 78 Johnson, Aubrey Stephen 176 Kentula, Mary 159 Kern River, p. 4 Lac La Belle, 102 Lactuca hirsuta. 3 Lake and Reservoir Restoration Guidance Manual, The 167 Lake Tahoe watershed, restoration of 115 lake maintenance, 28.1 lake dredging and phosphorus, 29.2 Lake Mead fertilization project, 29.3 land imprinting, 148.3, 149 landscape ecology, p. 9 Lespedeza spp. as savanna indicators, 72

Lespedeza leptostachya, 14.1 Lillium candidum, p. 11 liming and acid rain mitigation, 30.2 liming mine tailings, results of 148.7 Lolium multiflorum, alternatives to 39 Louada, Svata p. 79 Louisiana Coastal Vegetation Program, 118.1 Marsh Memos, 161 Martes pennanti, re-establishment of 101 Mediterranean landscapes, p. 10 micropropagation of, freshwater plants 132 micropropagation of, Atriplex canescens 138.2 micropropagation of, native woody plants 133 micropropagation of, Ruppia maritima 134 micropropagation of, Atriplex griffithsii 138.2 mitigation banking, 107.4 mitigation, concern over 179.3, 181.1 mitigation guidebook, 179.1 monitoring, estuarine wetlands 25.2 Mott, Gary 142 mycorrhizal fungi, relation to succession 148.5 NALMS Management Guide for Lakes & Reservoirs; 69, 168 National Wildflower Research Center's Wildflower Handbook, The 171 native shrubs, performance of on mined lands 127.3 native vegetation and, visitor-employed photography p. 70 native vegetation, public perception of p. 69, 180.1 natural reforestation at Walden pond, argument over p. 65 Neot Kedumim p. 9 New York Botanical Garden, 18 non-game bird grassland habitat, critical factors in 47 Nonesuch Island, restoration of 21.1 North Carolina Botanical Garden, p. 69 Northern Prairie Wetlands, 173 Ohio prairie seed nursery 2 Okauchee Lake, 102 Old-growth forests, abiotic factors in 98 Opuntia littoralis, 141

Otay River Valley, restoration of 122 overstabilized streams, dangers of 112.4 Packard, Steve p. 73; 72, 80.1 Pancratium maritinum, p. 11 Panicum amarum, 33 Panicum virgatum, 12 Panicum repens, 33 performance criteria, riparian restorations p. 63 phosphate mining, p. 15 pine-oak-nance woodland, 72 Pinus contorta, p. 20 Pinus strobus, secondary succession of 99 Pinus taeda, p. 21; 12 Pinus muricata, p. 22 Pinus ponderosa, p. 20 Pistacia palaestina, p. 11 Platanus racemosa p. 61 Plecotus townsendii var. townsendii, relocation of 130 pneumatic-seeding, evaluation of 150.2 polyacrylamides as soil conditioners, 127.2 Poplar Creek Forest Preserve, 74 Populus fremontii, p. 5, p. 61 Prairie Wetlands Resource Center, 104 prairie grasses and mine spoils, 13.9 prairie regeneration, 13.5 prairie vegetation, effect on bird communities 84 prairie seed mix, development of 77 Prairie/Plains Journal, 162 prescribed burning, ecological and social conflicts 90.7 Proceedings, Vegetative Rehabilitation & Equipment Workshop 150 Proceedings, Society for Ecological Restoration & Management Annual Meeting; 81, 90, 105, 112, 116, 126, 144, 148, 155, 178, 179 Proceedings, Society of Wetland Scientists Annual Meeting 25 Proceedings, Second Indiana Dunes Research Conference 80, 117, 125, 143, 154 Proceedings, National Wetlands Symposium 32 Proceedings, Annual Prairie Grouse Technical Conference 82 Proceedings, American Society for Surface Mining/Reclamation 27 Proceedings, International Erosion Control Association Conference XIX 19 Proceedings, International Erosion Control Association Conference XX 56,113,119,151 Proceedings, North American Lake Management Society Symposium 29 Proceedings, High Altitude Revegetation Workshop 40, 57 Proceedings, 1989 Vernal Pools Workshop 106, 181 Proceedings, Symposium on Shrub Ecophysiology and Biotechnology, 138 Proceedings, Symposium on Biosphere Reserves, 172 Proceedings, Symposium on the Management of Amphibians, Reptiles, and Small Mammals in North America 128 Proceedings, Conference on Wetland Restoration and Creation 107,118

Proceedings, Conservation and Management of

Rare and Endangered Plants (California Na-

propagation of, Orthocarpus purpurascens 136

tive Plant Society) 14, 26, 41

propagation of, rocky outcrop flora 131

propagation of, woody plants in Utah 138.1 propagation of, Carex spp. 23 propagation of, dune plants 33 propagation of, Cordylanthus maritimus spp. maritimus 35, 178.2 propagation of, subalpine plants 126.7 Provisional Handbook on Wetlands Mitigation, 159 Quercus velutina, 18 Quercus borealis, 18 Quercus lobata, p. 6 Quercus calliprinos, p. 11 Quercus rubra, regeneration of 88 reclamation, sand and gravel 61.2, 177 reclamation, smelter site 61.1 reclamation, bentonite mined lands 60.2 reclamation, coal slurry impoundments 59.1 reclamation, mine tailings 50, 60.3, 61.4, 148.7 reclamation, granite quarry 61.3 Redwood National Park, reforestation of 90.4, reflections on the control of, Salix clones p. 81 reflections on the control of, Phalaris arundinacea p. 81 regenerative agriculture, 45 Rehabilitating Damaged Ecosystems, Vols. I & II., p. 78 reintroduction of extirpated animals, critical factors 125.2 restoration, brown pelicans 46 restoration, English meadows 81.2 restoration, Athene cuncularia 126.2 restoration, Menzies' wallflower 144.1 restoration, long-leaf pine community 92 restoration, California oak woodlands 90.6 restoration, California grasslands 81.1 restoration, prairie groves 80.1 restoration, savanna p. 73; 74, 75 restoration, "hidden" costs of p. 56; 179.2 restoration, vernal pools 67, 106.1, 106.3 restoration, alpine ecosystems; 40.2, 40.3, 40.4 restoration, salt marsh 22a, 107.1 restoration. Amelanchier sanguinea 48 restoration, beach mice 46 restoration, Zizania palusturis 103 restoration, riparian p. 3, p. 60; 27.4, 35 restoration, bald eagles 46 restoration, lake 114 restoration, hardwood-hemlock forest 18 restoration, forested wetland 27.3 restoration, red wolves 46 restoration, barrier island ecosystems 34 restoration, natural areas 182 restoration, prairie 74, 76 restoration, Penstemon barrettiae 178.3 restoration, Pogogyne abramsii 178.4 restoration and, biodiversity 178.1 restoration and, mitigation standards p. 13 restoration and, preservation of genetic integrity 57.1, 58.6 restoration and, the role of government agencies 157 restoration and, public interpretation 154.1 restoration and, volunteerism p. 7, 53, 155.1, 155.4 Restoration Ecology: A Synthetic Approach to Ecological Research, 63 Restoration of Habitats Impacted by Oil Spills, Restoring Our Earth, 64

Opuntia prolifera, 141

revegetation, mined peatlands 123 revegetation, coastal dunes 119.1 Rhynchopsitta pachyrhyncha, reintroduction to Arizona 129 Rice University 12 road-salt contamination of aquatic ecosystems, rocky outcrop flora, protection of 131 Salix laevigata, p. 5 Salix gooddingii, p. 61 Salix lasiolepis, p. 61 Salix hindsiana, p. 61 Salix laevigata, p. 61 San Bruno Mountains, restoration of 58.5 San Clemente Island, 141 Santa Barbara Island, revegetation of 148.2 Sapium sebiferum, 12 Sarracenia purpurea, 24 savanna, response to periodic fire 87, 90.2 Schizachyrium scoparium; 12, 86 Schofield, Edmund A. p. 68 Scirpus cyperinus, effects of mowing 105.2 sea otter relocation, 126.1 sediment fences, 25.1 seed collecting equipment; 75, 147, 150.1 seed bank studies, p. 26 seed rain, p. 28, 13.6 selenium toxicity and aquatic ecosystems, 31.3 Sepulveda Wildlife Reserve, revegetation of serpentine bunchgrass community, 14.2 Shakey Lakes Savanna, 3 Shallow Lakes Initiative, The 114 Sherman, Arthur 159 Sherwood, Mary P. p. 67 shoreline erosion control, 113.1 Silphium laciniatum, 15.1 skid loader, advantages of 74 sodding, wetland vegetation 109 sodding, prairie grasses and forbs 12 sodding, alpine vegetation 126.4 Soleduck Road Project, revegetation of 148.4 Sonoran Desert, restoration of 126.6 Sorghastrum nutans, 12 Sources of Native Seeds and Plants, 169 Sparganium eurycarpum, 23 Spartina foliosa, 22a Sphagnum fimbriatum, 24 streambank erosion control, 113.2 Suaeda californica, 148.2 succession on acid soils, 148.8 The Challenge of Global Warming, 164 The Nature Conservancy, p. 3, 8 The Wild Side of Town, 65 Thiobacillus ferroxidans, 22 Thoreau, Henry David p. 65 tidal marsh morphology, influence of sediments on 116.2 Tijuana Estuary, restoration of 35 topsoil conservation, evaluation of 148.1 transplanting and, failed mitigation projects 58.4 transplanting desert shrubs, 127.1 transplanting rare species, concern over 183 transplanting native stock, success of 148.4 trout habitat enhancement, 112.1 Tsuga canainsis, 18 Tulipa sharonensis, p. 11

urban forestry, 158 Vaccinium oxycoccos, 24 Vail Pass, restoration of 19.1 Vegetative Rehabilitation and Equipment Workshop, Annual Reports 70 vernal pool hydrology, 26.1 Vireo bellii pusillus, habitat creation p. 24/2 volunteer reforestation of mined lands, 61.5 Walden Pond, restoration of p. 65 water hydrology, importance to wetlands 108, 109, 117.1 water hyacinths, 29.5 water quality studies, 31.2 watershed management and remote sensing, 31.1 watershed erosion, costs-benefits 31.5 Wave Hill Center, 42 "Weed Wrench," p. 77 weeding, effect on prairie species 73 Weinreb, Stuart p. 68 wetland restoration, the controversy over 108, 157, 178,4, 181 wetland mitigation, evaluation of 105.1 Wetlands data base, 160 Wetlands Research Update, 159 wetlands mitigation, 105.3 wetlands, used to treat acid mine drainage 22 wildflowers; 135, 171 Wisconsin Metallic Mining Reclamation Act, 50 Worster, Donald p. 68

Uniola paniculata, 33

of 112.2

Upper Strawberry Creek watershed, restoration